

What is claim d is:

1. An elevator apparatus, comprising:

a plural number of elevators, being disposed juxtaposing with each other, each of said elevator having,

5 an elevator car, and

a hoist, being connected to said elevator car through a rope, wherein the hoist of one of said elevators is protruded above the elevator car of the other elevator.

2. An elevator apparatus, comprising:

10 a plural number of elevators, being disposed juxtaposing with each other, each of said elevator having,

an elevator car,

a hoist,

a rope, and

15 a counterweight, wherein a perpendicular projection of the hoist of one of said elevators has a portion overlapping on a perpendicular projection of the elevator car of the other elevator.

20 3. An elevator apparatus, as described in the claim 1, wherein each of said hoists has a sheave, a motor and a brake, and the motor or the brake of the one elevator projects above the elevator car of the other elevator.

25 4. An elevator apparatus, as described in the claim 2, wherein each of said hoists has a sheave, a motor and a brake, and a perpendicular projection of the motor or the brake of the hoist owned by the one elevator has a portion overlapping the perpendicular projection of the elevator car owned by the other elevator.

5. An elevator apparatus, as described in the claim 2, further comprising a hall side door guidance groove for letting the opening/closing door of the one elevator to project into a side of the other elevator when the open/close door is opened.

5 6. An elevator apparatus, as described in the claim 4, wherein a plural number of elevators are positioned within one (1) piece of an elevating passage, and a protection fence for dividing each of the elevators is provided within this elevating passage.

10 7. An elevator apparatus, as described in the claim 1, wherein two (2) sets of elevators are disposed within one (1) piece of elevating passage, and each of the elevators is that for four (4) passengers.

15 8. An elevator apparatus, as described in the claim 7, further comprising a controller means for enabling said elevators to operate independently.

9. An elevator apparatus, as described in the claim 1, wherein each of said elevators has an open/close door on a front surface side thereof for a passenger to get on/off, and the elevators are juxtaposed with each other on a rear side thereof.

20 10. An elevator apparatus, as described in the claim 7, wherein each of said elevators has an open/close door on a front surface side thereof for a passenger to get on/off, and the elevators are arranged on a line with front surface sides thereof, each having the door.

25 11. An elevator apparatus, providing a plural number of elevators juxtaposing with each other within an elevating passage, wherein positions of an open/close door portion of one of the elevators and an open/close door portion of the other of the elevators are shifted in front and behind each other.

30 12. An elevator apparatus, as described in the claim 11, wherein a guide rails are disposed on a rear surface of the elevator,

having the open-close door portion in front, for allowing counterweights of the plural number of elevators to elevate.

13. An elevator apparatus, as described in the claim 11, wherein between the one elevator and the other elevator door, cases 5 for receiving the open/close doors therein are disposed to overlap with each other in front and behind.

14. An elevator apparatus, as described in the claim 12, wherein a pulley is provide on each of said counterweights, on which a rope for allowing the counterweight to elevate is suspended, 10 and a controller means is provided in an upper portion of the elevating passage, in which the counterweight elevates.

15. An elevator apparatus, having a plural number of elevators provided juxtaposing with each other within an elevating passage, each elevator having an elevator car and a hoist, which is connected to the elevator car through a rope, wherein the hoist 15 of one elevator projects above the elevator car of the other elevator, and comprising a hall side door guidance groove for allowing an open/close door of the one elevator to project to a side of the other elevator when said open/close door opens.

20 16. An elevator apparatus, as described in the claim 15, wherein rails are provided in a space defined between the plural numbers of elevator cars, on which the counterweights of the plural number of the elevators elevate.

25 17. An elevator apparatus, as described in the claim 15, wherein a guidance length of a door case for receiving said open/close door therein of the elevator car side is shorter than a door width of said open/close door.

30 18. An elevator apparatus, as described in the claim 15, wherein said hall side door guidance groove can be used in common with the juxtaposing elevators.

19. An elevator apparatus, as described in the claim 15,

further comprising a controller means for controlling, so that when stopping one of two (2) sets of elevators juxtaposing with each other among said plural numbers of elevators, the other elevator stops a floor different therefrom.

5 20. An elevator apparatus, as described in the claim 15, further comprising a controller means for controlling, so that when stopping two (2) sets of juxtaposing elevators among said plural numbers of elevators at a same floor, while an open/close door of the one elevator opens, an open/close door of the other
10 elevator is kept to close.